

What is claimed is:

1 1. A method of controlling special playback modes of a video signal reproducing
2 apparatus, the method comprising the steps of:

3 determining whether the video signal reproducing apparatus is converted from a
4 predetermined mode to a normal playback mode;

5 determining whether a time, which is necessary for detecting program class data and
6 determining a class, lapses starting from a time when the predetermined mode is converted into the
7 normal playback mode; and

8 refusing a special playback key command for any of said special playback modes when the
9 time necessary for determining a program class has not lapsed.

20 2. The method of claim 1, wherein the step of refusing comprises a step of displaying
21 a message indicating that the special playback key command is refused.

22 3. The method of claim 1, wherein a table of predetermined special playback key
23 commands is stored in a memory, interrupt is invoked when a command input before the time
24 necessary for determining a program class has lapsed corresponds to one among the commands in
the table, and the normal playback mode starts.

1 4. The method of claim 1, wherein the predetermined special playback key command
2 is a search key command, a slow key command or a still key command.

1 5. The method of claim 1, wherein the predetermined special playback key command
2 is any command other than a normal playback command and a normal rewind command.

1 6. A method of controlling special playback modes of a video signal reproducing
2 apparatus, the method comprising the steps of:

3 determining whether program class data is detected from a video signal reproduced by the
4 video signal reproducing apparatus in a normal playback mode; and

5 refusing to operate any of said special playback modes corresponding to a predetermined
6 special playback key command generated by a user's key input, until the program class data is
7 detected.

1 7. The method of claim 6, wherein a table of predetermined special playback key
2 commands is stored in a memory, interrupt is invoked in said refusing step when a command
3 corresponding to one among the commands in the table is input.

1 8. The method of claim 6, wherein the predetermined special playback key command
2 is any command other than a normal playback command and a normal rewind command.

1 9. A method of controlling a special playback mode of a video signal reproducing
2 apparatus, the method comprising the steps of:

3 determining whether program class data is detected from a video signal reproduced by the
4 video signal reproducing apparatus in a normal playback mode; and

5 blocking output of reproduced pictures when a predetermined special playback key command

6 is input by a user's key operation prior the program class data being detected.

1 10. The method of claim 9, wherein the predetermined special playback key command
2 is a search key command, a slow key command or a still key command.

1 11. A method of controlling special playback modes of a video signal reproducing
2 apparatus, the method comprising the steps of:

3 selecting a permitted program class;

4 determining whether the video signal reproducing apparatus is converted from a
5 predetermined mode to a normal playback mode after selecting said permitted program class,
6 wherein said video signal reproducing apparatus generates a reproduced video signal from a
7 recording medium during said normal playback mode;

8 starting a count operation when the predetermined mode is converted into the normal
9 playback mode, said count operation generating count data;

10 detecting program class data embedded in said reproduced video signal;

11 determining whether a special playback key command for any of said special playback modes
12 is input when said embedded program class data is not detected within a predetermined time period;

13 determining whether said time period has elapsed by comparing said count data to a
14 predetermined count variable corresponding to said time period, when it is determined that said
15 special playback key command is input; and

16 refusing said special playback key command for any of said special playback modes when
17 said time period has not elapsed.

1 12. The method as set forth in claim 11, further comprising a step of:
2 repeating said detecting step when it is determined that said special playback key command
3 is not input.

1 13. The method as set forth in claim 11, further comprising steps of:
2 displaying a message indicating that the special playback key command is refused; and
3 repeating said detecting step while displaying said message.

1 14. The method as set forth in claim 11, further comprising steps of:
2 comparing program class data detected in said detecting step to said permitted program class
3 selected in said selecting step; and
4 blanking said reproduced video signal when it is determined that said detected program class
5 data is greater than said permitted program class.

1 15. The method as set forth in claim 11, further comprising a step of:
2 performing the special playback mode corresponding to the input special playback key
3 command when it is determined that said time period has elapsed.